HP Z420 Workstation

Performance you want. Value you need. The HP Z420 gives you professional expandability in an accessible tool-free mini-tower form factor — all at a great price. With up to 8 discrete processing cores, the latest processing and I/O power from Intel®, and the latest graphics technology from leading graphics providers, the HP Z420 has the power you need to get the job done.

HP recommends Windows.

Designed With Ease.

Enjoy the control that comes with being able to swap out parts or make upgrades on your own. The HP Z420 Workstation features a smart chassis that offers tool-less access to the inside, easy configurability and optional optical bay handles for seamless deployment.
And with optional liquid cooling designed to deliver whisper-quiet performance, the HP Z420 is built to make your work flow smoother.

Enjoy Superb Performance.

Achieve the highest performance available in a single-processer personal workstation. The HP Z420 Workstations offers your choice of Intel® Xeon® E5-1600 and E5-2600 series processors — with base clock frequencies of up to 3.6GHz and the new Intel® C602 chipset.
Delivering support for up to 8 cores of processing power, the HP Z420 never slows you down.

Never Compromise On Graphics.

Built to support next generation PCIe Gen3 graphics, the HP Z420 currently offers a breadth of AMD and NVIDIA professional graphics cards from Pro 2D to high-end 3D, up to the NVIDIA Quadro 5000.
With 600W 90% efficient power supply and support for up to 8 HP Performance Displays, the HP Z420 can maximize your productivity with the freedom of seeing and doing more all at once.

Build It Your Way.

Build the HP Z420 Workstation the way you want with multiple SATA and SAS RAID configuration options that support a wide range of high-performance, high capacity storage solutions.
Always know you're a step ahead with 8 DIMM slots in 4-channel memory architecture, delivering up to 64GB and integrated 1600MHz memory.

Complete Peace of Mind.

HP workstations offer BFR/PVC-free and ENERGY STAR® qualified configurations featuring 90% efficient power supplies.

All HP Workstations come with a limited 3-year parts, 3-year labor and 3-year onsite service (3/3/3) standard warranty that is extendable up to 5 years.

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HP recommends Windows.

Form Factor	Convertible Minitower
Operating System	Windows 8 Pro 64 Windows® 7 Ultimate 64 Windows® 7 Professional 32 Windows® 7 Professional 64 SUSE Linux Enterprise Desktop 11 HP Installer Kit for Linux
Processor	Intel® Xeon® E5-1603 (2.8 GHz, 10 MB cache, 4 cores); Intel® Xeon® E5-1607 (3 GHz, 10 MB cache, 4 cores); Intel® Xeon® E5-1620 (3.6 GHz, 10 MB cache, 4 cores); Intel® Xeon® E5-1650 (3.2 GHz, 12 MB cache, 6 cores); Intel® Xeon® E5-1660 (3.3 GHz, 15 MB cache, 6 cores); Intel® Xeon® E5-2665 (2.4 GHz, 20 MB cache, 8 cores); Intel® Xeon® E5-2687W (3.1 GHz, 20 MB cache, 8 cores)
Chipset	Intel® C602
Memory	Up to 64 GB 1600 MHz DDR3 Unbuffered SDRAM Memory slots: 8 DIMM
Graphics	Professional 2D, NVIDIA NVS 300 (512 MB); NVIDIA NVS 310 (512 MB); NVIDIA Quadro NVS 450 (512 MB); NVIDIA Quadro NVS 510 (2 GB) Entry 3D, NVIDIA Quadro 410 (512 MB); NVIDIA Quadro 600 (1 GB); AMD FirePro V3 900 (1 GB); AMD FirePro V4900 (1 GB) Midrange 3D, NVIDIA Quadro 2000 (1 GB); AMD FirePro V5900 (2 GB) High-end 3D, AMD FirePro V7900 (2 GB); NVIDIA Quadro 4000 (2 GB); NVIDIA Quadro 5000 (2.5 GB); NVIDIA Quadro K5000 (4 GB); NVIDIA Quadro 6000 (6 GB) High Performance GPU Computing, NVIDIA Tesla C2075 Computer Processor
Removable Media	SATA Blu-ray writer; SATA SuperMulti DVD+/-RW; SATA DVD-ROM
Audio	Integrated High Definition Realtek ALC262 Audio
Internal Storage	250 GB, up to 3 TB, SATA (7200 rpm) 300 GB, up to 600 GB, SAS (10000 rpm) 300 GB, up to 600 GB, SAS (15000 rpm) 128 GB, up to 300 GB, SATA SSD
Communications	Integrated Intel 82579 LAN; Broadcom NetXtreme Gigabit Ethernet Plus NIC PCIe Card (selected models); Intel Gigabit CT Desktop NIC PCIe Card (selected models); HP Wireless 802.11 b/g/n NIC PCIe Card (selected models); HP NC360T PCI Express Dual-Port Gigabit NIC PCIe Card (selected models)
Ports and Connectors	4 USB 3.0; 5 USB 2.0; 2 IEEE 13 94a; 2 PS/2; 1 RJ-45; 2 microphone; 1 audio line out; 1 audio line in; 1 headphone; 1 22-in-1 Media Card Reader (optional)
Security	Padlock Support (standard - padlock selected models); Cable Lock Support (standard - cable selected models); Universal Chassis Clamp Lock (selected models); Serial, Parallel, USB, Audio, Network Enable/Disable (standard); Removable Media Write/Boot Control (standard); Power-On Password (standard); Setup Password(standard); Solenoid Lock and Hood Sensor (selected models)
Software	HP Performance Advisor; HP Remote Graphics Software (RGS) V5; HP ProtectTools Security; Microsoft® Office Starter: reduced-functionality Word and Excel® only, with advertising. No PowerPoint® or Outlook®. Buy Office 2010 to use the full-featured software; HP Power Assistant; Roxio Easy Media Creator (DVD/Blu-ray Disc burner software); Intervideo WinDVD (DVD player/burner software); PDF Complete - Trial Edition
Dimensions	17.78 x 44.52 x 44.76 cm Standard minitower orientation
Weight	Starting at 12.5 kg Exact weight depends upon configuration.
Energy Efficiency Compliance	ENERGY STAR® qualified configurations available
Power	600W 90% efficient, wide ranging, active PFC
Expansion Slots	2 PCIe Gen3 x16; 1 PCIe Gen3 x8; 1 PCIe Gen2 x8 (x4); 1 PCIe Gen2 x4 (x1); 1 PCI Three 5.25" Three 3.5"
Warranty	3-year limited warranty including 3 years of parts, labour, and next-business-day onsite service. Terms and conditions vary by country. Certain restrictions and exclusions apply.

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Accessories and services (not included)

HP ZR2240w 21.5-inch LED Backlit IPS Monitor

The HP ZR2240w 54,6 cm (21.5") LED Backlit IPS Monitor has a new LED backlight, HDMI input and 1920 x 1080 full HD[1] resolution in an ultra-modern design that's sleeker than ever to perfectly complement HP Z Workstations.
Product number: XW475A4

HP SpacePilot Pro USB 3D Input Device

Working in 3D has just become easier and more efficient with an HP SpacePilot Intelligent Controller, which combines refined sensing technology, extendable speed keys, and ergonomic design to give you 3D control, speeding up your design work -faster than you ever thought possible. When you intuitively push, tilt, or twist the control cap, the response is immediate. SpacePilot also features 21 speed keys that increase your efficiency and make working with your designs less stressful and more enjoyable, without the intrusive functionality of a mouse and keyboard alone.
Product number: WH343AA

HP 160GB SATA Solid State Drive

Solid State Drives (SSDs) are fast becoming a real force with respect to storage in the computer industry. With no moving parts, storage is no longer bound by mechanical barriers to higher performance. HP SSDs for workstations offer overall performance typcially beyond that of SAS 15k rpm HDDs (Hard Disk Drives).
Product number: LZ704AA

NVIDIA Quadro 600 1.0GB Graphics Card

The low-profile NVIDIA Quadro 600 is the newest entry-level professional graphics solution, delivering maximum productivity and flexibility for engineers and designers.
Product number: WS093AA

NVIDIA Quadro 2000 1.0GB Graphics Card

The NVIDIA Quadro 2000, based on Fermi architecture, maximizes productivity for engineers and designers by up to 5 times
Product number: WS094AA

5-year Next Business Day Onsite

Care Pack

Receive 5 years of next business day onsite repair from an HP-qualified technician for your computing device, if the issue cannot be solved remotely.
Product number: U7944E

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